

**WHAT IS CLAIMED IS:**

1. A method for blocking SMS (Short Message Service) spam messages in an SMS server, comprising the steps of:

5 a), when an SMS message to be transmitted to a subscriber of a mobile wireless terminal is received from a base station, checking whether a spam blocking option is set;

b), when the checked result of step a) is affirmative, gaining access to a spam-blocking information database, and searching for a phone number corresponding to the received message to check whether the phone number  
10 corresponds to a phone number registered in the spam-blocking information database; and

c), when the checked result of step b) is affirmative, finishing the procedure for the received message without performing message processing for SMS services on the received message, so that SMS spam messages are blocked from being  
15 transferred to the terminal's subscriber.

2. A method for blocking SMS (Short Message Service) spam messages in an SMS server, comprising the steps of:

a), when an SMS message to be transmitted to a subscriber of a mobile wireless terminal is received from a base station, checking whether a spam blocking  
20 option is set;

b), when the checked result of step a) is affirmative, checking whether the received message includes a predetermined word implying a spam message, said word being stored in a spam-blocking information database; and

c), when the checked result of step b) is affirmative, finishing the procedure

for the received message without performing message processing for SMS services on the received message, so that SMS spam messages are blocked from being transferred to the terminal's subscriber.

3. A method for blocking spam messages in a mobile wireless terminal,  
5 comprising the steps of:

a), when an SMS message is received, gaining access to a database of previously-registered, spam-blocking information to check whether the received message is an SMS spam message; and

b), when the checked result of step a) is affirmative, controlling the terminal  
10 so as not to notify receipt of the message.

4. The method as set forth in claim 3, further comprising the step of:

c) checking whether a spam message is set to be stored, after blocking the message-receipt notification, and storing the received SMS spam message if this checked result is affirmative.

15 5. The method as set forth in claim 3, wherein a phone number of an SMS spam-message sender is registered in the spam-blocking information database, said step a) including the step of:

a-1) detecting a sender phone number from the received SMS message, and comparing the sender phone number with one registered in the spam-blocking  
20 information database, so as to check whether the received SMS message is an SMS spam message.

6. The method as set forth in claim 3, wherein a predetermined word

implying an SMS spam message is registered in the spam-blocking information database, said step a) including the step of:

a-2) checking whether the registered predetermined word is included in the received SMS message.

5           7. The method as set forth in claim 3, wherein a phone number of an SMS spam message sender and a predetermined word implying an SMS spam message are registered in the spam-blocking information database, said step a) including the steps of:

10           a-1) detecting a sender phone number from the received SMS message, and comparing the sender phone number with one registered in the spam-blocking information database, so as to check whether the received SMS message is an SMS spam message; and

a-2) checking whether the registered predetermined word is included in the received SMS message.

15           8. The method as set forth in claim 3, further comprising the step of:

d) reading a warning message, previously stored in the database, from the database, and transmitting it to a call back number detected from the SMS message.